

MATERIAL SAFETY DATA SHEET

(Prepared according to 29 CFR 1910.1200)

N/A-Not Applicable

Effective Date 1/21

SECTION 1 - PRODUCT IDENTIFICATION

Product Name:
Generic Name: Mild Acid Detergent
Supplier's Name:
Supplier's Address:

Chemical Family: N/A
Formula: N/A
Phone Number:

NFPA Hazardous Materials
 Identification System

Health	2
Flammability	0
Reactivity	0
Maximum Personal Protection	B

SECTION 2 - INGREDIENTS

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV	CARCINOGEN
Water	7732-18-9	to 100				No
Phosphoric Acid	7664-38-2	30 to 35	1mg/M	1mg/M	3mg/M	No
Gluconic Acid	826-95-4	0 to 5				No
Alkylarene Sulfonate	27178-87-0	0 to 5				No
Nonionic Surfactant	127087-87-0	0 to 5				No
Nonionic Surfactant	81788-90-7	0 to 5				No
Dye	N/A	0 to 5				No

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

CAS#	Chemical Name	Percent by Weight
7664-38-2	Phosphoric Acid	30.0

SECTION 3 - PHYSICAL DATA

Boiling Range (°F):	218°F Initial	Specific Gravity:	1.18
Vapor Pressure:	<20mm Hg @68°F	Vapor Density:	(Air=1)>1
% Volatiles:	80+	pH:	1.5 - 2.0
Solubility in Water:	100%	Evaporation Rate:	(Water=1)<1
Physical Description:	Thin clear yellow liquid with no odor.		

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used):	N/A	
Upper Explosive Limit:	N/A	Lower Explosive Limit: N/A
Extinguishing Media:	N/A	
Special Fire Fighting Procedures:	N/A	
Unusual Fire and Explosion Hazards:	N/A	

SECTION 5 - REACTIVITY DATA

Stability:	Stable.	Hazardous Polymerizations:	Will not occur.
Incompatibility (Materials to Avoid):	Strong acids, oxidizers, reactive metals.		
Hazardous Decomposition Products:	Phosphorous oxide vapors in a fire.		

SECTION 6 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage:
Keep out of reach of children.
Keep container closed during storage. For industrial and institutional use only.

SECTION 7 - HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:	
Primary Route of Entry:	
Skin:	Severe skin irritant. Prolonged or repeated contact can cause chemical burns or dermatitis.
Eyes:	Severe eye irritant. Liquid and mists may burn or injure the eyes.
Inhalation:	May be irritating to mucous membranes of the nose, throat, and lungs.
Ingestion:	May be irritating or corrosive to the mouth and throat. Can cause nausea and vomiting.

First Aid Procedures:	
Skin:	Remove contaminated clothing. Flush exposed area with large quantities of water. Seek medical attention if irritation persists.
Eyes:	Flush eyes with large quantities of water, holding eyelids open. Seek medical attention if irritation persists.
Inhalation:	Get to fresh air. Seek medical attention if symptoms persist.
Ingestion:	Do not induce vomiting. Give large quantities of water or milk. Seek medical attention immediately.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection:	Use with adequate ventilation.	Ventilation:	Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.
Protective Gloves:	Acid proof.	Eye Protection:	Safety glasses.
Other Protective Equipment:	N/A		

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:	Waste Disposal Method:
Mop up or otherwise absorb and hold for disposal.	Any method in accordance with applicable laws.

Manufactured by:
 Deto Corporation 1001 Brown Avenue Toledo, Ohio 43607 419-241-2158

Product Name: M.A.D.
Product Number: 8125